

EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|-------|--|---|------------------|---------|---------------------|
| S2 | 3 | ((MICHAEL) near2 (HOLZEMER)).INV. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/07/27 11:22 |
| S3 | 3 | ((FRANK) near2 (SCHONBORN)).INV. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/07/27 11:24 |
| S4 | 11 | ((KARL-HEINZ) near2 (RONTALER)).INV. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/07/27 11:24 |
| S5 | 1 | ("6419455").PN. | USPAT; USOCR | OR | OFF | 2009/07/27 11:30 |
| S6 | 1 | ("5947692").PN. | USPAT; USOCR | OR | OFF | 2009/07/27 11:59 |
| S7 | 1781 | (417/53).CQLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/07/27 12:08 |
| S11 | 22 | S7 and (pressure with (speed or rpm) with motor) and vacuum | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/07/27 12:12 |
| S12 | 1 | "4699570".pn. | USPAT | OR | OFF | 2009/07/27 12:59 |
| S13 | 1 | "5165864".pn. | USPAT | OR | OFF | 2009/07/27 13:00 |
| S14 | 1 | de-19816241-\$.did. | USPAT; DERWENT | OR | OFF | 2009/07/27 13:04 |
| S15 | 43184 | (vacuum near2 pump \$3) and pressure and (speed or rpm) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/27 13:17 |
| S16 | 0 | S15 and speed with pressure with (variation or varies or varying) with (power near2 sav \$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/27 13:20 |
| S17 | 3 | S15 and ((speed or rpm) with pressure with (power near2 sav \$3)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/27 13:21 |

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| S19 | 3 | S15 and ((speed or rpm) with pressure with variation with law \$1) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/27 13:25 |
| S20 | 34 | ((speed or rpm) with pressure with variation with law\$1) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/27 13:27 |
| S21 | 136 | S15 and((speed or rpm) near5 pressure near5 power) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/27 13:32 |
| S22 | 17 | (Rival with Jean with Luc).in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/27 14:17 |
| S24 | 47 | (vacuum adj pump\$1) and (pressure near5 (speed or rpm) near5 characteristics) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/27 14:30 |
| S25 | 36 | (vacuum adj pump\$1) and (pressure near5 (speed or rpm) near5 curve\$1) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/27 14:45 |
| S26 | 35 | S25 not S24 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/27 14:45 |
| S27 | 772 | (vacuum adj pump\$1) and (motor near2 speed near2 control\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/27 15:29 |

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| S28 | 102 | (vacuum adj pump\$1) and ((motor near2 speed near2 control\$3) with pressure) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/27 15:30 |
| S29 | 25 | ("3817658" "5141403" "5158436" "5165864" "5182826" "5259731" "5284180" "5580221" "5613514" "5746581" "5971711").PN. OR ("6045331").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/07/27 17:09 |
| S30 | 88 | (417/44.3).CCLS | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/07/27 20:14 |
| S31 | 16 | S30 and (motor near2 speed) and pressure | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/07/27 20:15 |
| S39 | 5 | speed with lookup with pressure with pump | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/27 21:21 |
| S40 | 6 | (speed near2 pressure near2 table) with pump | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/27 21:21 |
| S41 | 3 | open with loop with control with (motor near2 speed near2 pressure) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/27 21:28 |
| S42 | 32 | open with loop with control with (speed near2 pressure) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/27 21:29 |
| S43 | 31 | S42 not S41 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/27 21:29 |

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| S44 | 0 | (motor adj1 speed) adj2 versus adj2 (pump near2 pressure) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/27 21:39 |
| S45 | 0 | (motor adj1 speed) adj2 versus adj2 (pumping near2 pressure) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/27 21:39 |
| S46 | 34 | (motor adj1 speed) adj2 (pump near2 pressure) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/27 21:40 |
| S47 | 1 | dd-262065-\$.did. | USPAT; DERWENT | OR | OFF | 2009/07/28 11:27 |
| S48 | 2 | asynchronous with motor with (vacuum near2 pump\$3) | USPAT | OR | OFF | 2009/07/28 17:57 |
| S49 | 53 | gradually with reduc\$3 with speed with until with vacuum with reached | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/07 16:18 |
| S50 | 1 | "6425883".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/07 16:18 |
| S51 | 1 | S50 and (pneumatic adj inertia) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/07 16:19 |
| S52 | 1 | "5591127".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/07 16:27 |
| S54 | 9 | (vacuum adj2 pressure) with (versus or vs) with (speed or rpm) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/07 16:55 |
| S55 | 1 | "4664601".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/07 16:58 |
| S56 | 52 | gradually with reduc\$3 with rpm with until with vacuum with reached | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/07 17:02 |
| S57 | 0 | S56 not S49 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/07 17:02 |
| S58 | 0 | (reduc\$3 adj rpm) with (until adj vacuum) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/07 17:03 |
| S59 | 0 | (reduc\$3 adj rpm) with (desired adj vacuum) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/07 17:04 |
| S60 | 0 | (reduc\$3 adj rpm) with (desired adj2 vacuum) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/07 17:04 |

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| S61 | 0 | (reduc\$3 adj rpm) with (vacuum adj pressure) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/07 17:04 |
| S62 | 49 | rpm near5 (vacuum adj pressure) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/07 17:05 |
| S63 | 1 | overdamped with speed with pressure | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/07 17:08 |
| S65 | 19 | (gradually adj reduce adj speed) with motor | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/07 17:09 |
| S67 | 231 | (417/423 4).CQLS | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/07 17:11 |
| S68 | 1 | (reduce adj speed) and S67 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/07 17:11 |
| S69 | 1 | "4380418".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/07 17:15 |
| S70 | 1 | "6289737".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/07 17:17 |
| S71 | 1 | "6234759".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/07 17:22 |
| S72 | 1 | "7621721".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/07 17:26 |
| S73 | 1 | "6022483".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/07 17:30 |
| S74 | 0 | actual with pressure with approaches with setpoint with pumping with speed with slows | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/07 17:42 |
| S75 | 1 | "7369920".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/07 17:47 |
| S76 | 0 | actual with pressure with approaches with setpoint with pumping with speed | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/07 17:49 |
| S78 | 0 | actual with pressure with approaches with setpoint with speed | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/07 17:50 |
| S79 | 33 | (knf near2 neuberger).as. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/07 17:59 |
| S80 | 20 | S79 and vacuum | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/07 17:59 |
| S81 | 0 | sc920 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/07 18:05 |
| S82 | 38 | (roland near2 anderson).in. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/07 18:05 |

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| S83 | 0 | actual with pressure with approaches with setpoint with pumping with speed | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/12/07 18:20 |
| S84 | 8 | actual with pressure with approaches with setpoint | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/12/07 18:20 |
| S85 | 1 | (pumping adj speed) with increased with (speed adj2 process) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/12/07 18:25 |
| S86 | 2 | (pumping adj speed) with pressure with setpoint | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/12/07 18:27 |
| S87 | 29 | (pump adj speed) with pressure with setpoint | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/12/07 18:28 |
| S88 | 2 | "6419455".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/12/07 18:40 |
| S89 | 2 | "4728869".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/12/07 18:48 |
| S90 | 0 | (servo adj2 control) with overdamped | USPAT | OR | OFF | 2009/12/08 09:41 |
| S91 | 0 | (servo near2 control) with overdamped | USPAT | OR | OFF | 2009/12/08 09:42 |
| S92 | 20 | (servo near2 overdamped) | USPAT | OR | OFF | 2009/12/08 09:42 |
| S93 | 1 | "6731082".pn. | USPAT | OR | OFF | 2009/12/08 10:22 |

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|-----|------|--|---------------------------|----|-----|---------------------|
| S94 | 22 | (US-20090041588-\$ or US-20080101962-\$ or US-20070154323-\$ or US-20070154320-\$ or US-20070104587-\$ or US-20070071610-\$ or US-20070020111-\$ or US-20050031468-\$ or US-20020182082-\$ or US-20020001523-\$). did. or (US-7413411-\$ or US-6739840-\$ or US-6599093-\$ or US-6533552-\$ or US-6474949-\$ or US-6450771-\$ or US-6158967-\$ or US-6077051-\$ or US-5846056-\$ or US-5813842-\$ or US-5775879-\$ or US-5713724-\$).did. | US-PGPUB; USPAT | OR | OFF | 2009/12/08 17:14 |
| S95 | 1811 | (417/53).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/08 17:14 |
| S96 | 22 | S95 and (pressure with (speed or rpm) with motor) and vacuum | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/08 17:14 |
| S97 | 0 | S96 not S94 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/08 17:14 |
| S98 | 88 | (US-20050244277-\$ or US-20050118029-\$ or US-20030006891-\$). did. or (US-6902378-\$ or US-6893227-\$ or US-6487903-\$ or US-6461113-\$ or US-6186744-\$ or US-6050918-\$ or US-6022195-\$ or US-5947692-\$ or US-5819524-\$ or US-5795328-\$ or US-5791880-\$ or US-5772403-\$ or US-5762475-\$ or US-5725357-\$ or US-5718565-\$ or US-5690476-\$ or US-5624394-\$ or US-5520517-\$ or US-4955795-\$ or US-4730999-\$ or US-4687021-\$ or US-4596514-\$ or US- | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/08 17:15 |

4525125-\$ or US-
4524311-\$ or US-
4518316-\$ or US-
4507054-\$).did. or (US-
4468170-\$ or US-
3992130-\$ or US-
3694105-\$ or US-
3683600-\$ or US-
3637326-\$ or US-
3556677-\$ or US-
3434282-\$ or US-
3425416-\$ or US-
3418936-\$ or US-
3406895-\$ or US-
3339829-\$ or US-
3176095-\$ or US-
3140819-\$ or US-
3067302-\$ or US-
2950682-\$ or US-
2945446-\$ or US-
2899013-\$ or US-
2848879-\$ or US-
2834845-\$ or US-
2787960-\$ or US-
2765743-\$ or US-
2687693-\$ or US-
2512286-\$ or US-
2340034-\$ or US-
2144613-\$ or US-
2084730-\$ or US-
2049233-\$).did. or (US-
1913887-\$ or US-
1842295-\$ or US-
1716160-\$ or US-
1713558-\$ or US-
1619098-\$).did. or (US-
3556677-\$ or US-
3434282-\$ or US-
3425416-\$ or US-
3418936-\$ or US-
3406895-\$ or US-
3339829-\$ or US-
3176095-\$ or US-
3140819-\$ or US-
3067302-\$ or US-
2950682-\$ or US-
2945446-\$ or US-
2899013-\$ or US-
2848879-\$ or US-
2834845-\$ or US-
2787960-\$ or US-
2765743-\$ or US-
2687693-\$ or US-
2512286-\$ or US-
2340034-\$ or US-
2144613-\$ or US-

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|------|----|---|---------------------------|----|-----|---------------------|
| | | 2084730-\$ or US- 2049233-\$ or US- 1913887-\$ or US- 1842295-\$ or US- 1716160-\$ or US- 1713558-\$).did. or (US- 1619098-\$).did. | | | | |
| S99 | 88 | (417/44.3).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/08 17:16 |
| S100 | 0 | S99 not S98 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/08 17:16 |
| S101 | 95 | ("3360185" "3589363" "3599639" "3693613" "3723030" "3841799" "3920014" "4024866" "4144644" "4167943" "4168707" "4180074" "4184510" "4187057" "4226590" "4236880" "4256437" "4256442" "4324243" "4395258" "4424011" "4445826" "4464172" "4468219" "4475904" "4479760" "4482347" "4493695" "4493698" "4515589" "4526515" "4537561" "4599055" "4626248" "4627833" "4643717" "4650469" "4664601" "4670006" "4685902" "4706687" "4710163" "4713051" "4714464" "4735558" "4740202" "4757814" "4758238" "4759349" "4770187" "4770654" "4773897" "4790816" "4798580" "4810242" "4820265" "4838281" "4838865" "4898579" "4900302" "4902276" "4904168" "4933843" "4988336" "5087245" "5125891" | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/03/23 14:46 |

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|------|----|---|---|----|-----|---------------------|
| | | "5242404" "5249121" "5328478" "5346470" "5368559" "5380280" "5470312" "5624394" "Re33250").FN. OR ("5795328").URPN. | | | | |
| S102 | 29 | ("3890063" "4068980" "4135860" "4219312" "4225288" "4492526" "4511312" "4518316").FN. OR ("4664601").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/03/23 16:02 |
| S103 | 1 | "10588466" | US-PGPUB | OR | OFF | 2010/03/23 16:24 |
| S104 | 30 | ((pumpdown or pump adj1 down) near5 speed) with pressure) and (vacuum adj2 pump \$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/03/23 16:32 |
| S105 | 44 | ((pumpdown or pump adj1 down) with speed with pressure) and (vacuum adj2 pump\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/03/23 16:43 |
| S106 | 14 | S105 not S104 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/03/23 16:43 |
| S107 | 22 | (US-20090041588-\$ or US-20080101962-\$ or US-20070154323-\$ or US-20070154320-\$ or US-20070104587-\$ or US-20070071610-\$ or US-20070020111-\$ or US-20050031468-\$ or US-20020182082-\$ or US-20020001523-\$). did. or (US-7413411-\$ or US-6739840-\$ or US- 6599093-\$ or US- 6533552-\$ or US- 6474949-\$ or US- 6450771-\$ or US- 6158967-\$ or US- 6077051-\$ or US- | US-PGPUB; USPAT | OR | OFF | 2010/03/23 17:33 |

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|------|------|--|---------------------------|----|-----|---------------------|
| | | 5846056-\$ or US-5813842-\$ or US-5775879-\$ or US-5713724-\$).did. | | | | |
| S108 | 1851 | (417/53).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/03/23 17:33 |
| S109 | 22 | S108 and (pressure with (speed or rpm) with motor) and vacuum | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/03/23 17:33 |
| S110 | 0 | S109 not S107 | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/03/23 17:33 |
| S111 | 6 | (stores or records) with memory with motor with speed with (pressure or vacuum) | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/03/23 19:19 |
| S112 | 4 | (stores or records) with (RAM or ROM) with motor with speed with (pressure or vacuum) | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/03/23 19:33 |
| S113 | 1 | (stores or records) with (versus or vs) with motor with speed with (pressure or vacuum) | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/03/23 19:37 |
| S114 | 4 | (stores or records) with (versus or vs) with speed with (pressure or vacuum) | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/03/23 19:39 |
| S118 | 0 | pid with control\$3 with speed with pressure with (stores or records) with memory | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/03/23 19:47 |
| S119 | 0 | pid with control\$3 with speed with pressure with (stores or records) | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/03/23 19:48 |
| S120 | 2 | pid with control\$3 with speed with pressure with memory | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/03/23 19:48 |
| S122 | 2 | (pressure near2 function near2 speed) with (stores or records) | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/03/23 19:50 |
| S123 | 155 | ((stores or storing or memory or data) with pressure with motor with speed) and (pump or compressor).ab. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/03/24 11:27 |
| S124 | 1 | "5591127".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/03/24 12:07 |
| S125 | 1 | "20030123990".pn. | US-PGPUB; USPAT | OR | OFF | 2010/03/24 16:56 |

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|------|------|--|---|----|-----|---------------------|
| S126 | 1 | "6375431".pn. | US-PGPUB; USPAT | OR | OFF | 2010/03/24 17:47 |
| S127 | 1 | "5733253".pn. | US-PGPUB; USPAT | OR | OFF | 2010/03/24 18:30 |
| S128 | 1 | "4699570".pn. | US-PGPUB; USPAT | OR | OFF | 2010/03/24 18:39 |
| S129 | 1 | "4664601".pn. | US-PGPUB; USPAT | OR | OFF | 2010/03/24 18:48 |
| S130 | 1 | "4225288".pn. | US-PGPUB; USPAT | OR | OFF | 2010/03/24 18:50 |
| S133 | 6 | (vacuum with pump\$4) and (suction with pressure) and (motor with speed) and (speed with pressure) and vacuum.ab. | FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/03/24 18:56 |
| S134 | 1 | de-19816241-\$.did. | USPAT; DERWENT | OR | OFF | 2010/03/25 09:44 |
| S135 | 22 | (US-20090041588-\$ or US-20080101962-\$ or US-20070154323-\$ or US-20070154320-\$ or US-20070104587-\$ or US-20070071610-\$ or US-20070020111-\$ or US-20050031468-\$ or US-20020182082-\$ or US-20020001523-\$). did. or (US-7413411-\$ or US-6739840-\$ or US- 6599093-\$ or US- 6533552-\$ or US- 6474949-\$ or US- 6450771-\$ or US- 6158967-\$ or US- 6077051-\$ or US- 5846056-\$ or US- 5813842-\$ or US- 5775879-\$ or US- 5713724-\$).did. | US-PGPUB; USPAT | OR | OFF | 2010/08/30 20:48 |
| S136 | 1906 | (417/53).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/08/30 20:49 |
| S137 | 22 | S136 and (pressure with (speed or rpm) with motor) and vacuum | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/08/30 20:49 |
| S138 | 0 | S137 not S135 | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/08/30 20:49 |
| S139 | 1115 | ((417/2) or (417/426) or (417/44.2) or (417/44.4)).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/11/10 20:12 |

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|------|-------|---|------------------------|----|-----|------------------|
| S140 | 471 | S139 and pressure and (speed\$1 or velocity) | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/11/10 20:13 |
| S141 | 81 | S140 and vacuum | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/11/10 20:13 |
| S147 | 57120 | ("702").CLAS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/11/11 13:58 |
| S148 | 189 | S147 and (vacuum adj2 pump) and pressure and speed | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/11/11 13:59 |
| S149 | 1 | "20030206805".pn. | US-PGPUB | OR | OFF | 2010/11/20 19:42 |
| S150 | 1 | "6494685".pn. | USPAT | OR | OFF | 2010/11/23 16:34 |
| S151 | 1 | "5141402".pn. | USPAT | OR | OFF | 2010/11/23 16:42 |
| S152 | 55 | (inlet adj2 pressure) with curve with speed | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/11/23 16:48 |
| S153 | 1 | "5605044".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/11/23 17:28 |
| S154 | 1 | "5924847".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/11/23 17:51 |
| S155 | 36 | (lookup adj1 table) with (pressure near2 speed) | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/11/23 18:11 |
| S158 | 1 | (lookup adj1 table) with (recommended adj2 speed) | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/11/23 18:29 |
| S159 | 0 | (lookup adj1 table) same ((recommended adj2 speed) with pressure) | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/11/23 18:30 |
| S160 | 0 | (lookup adj1 table) same ((recommended adj2 speed) same pressure) | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/11/23 18:30 |
| S161 | 0 | (lookup adj1 table) same (recommended adj2 speed) same pressure | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/11/23 18:30 |
| S162 | 0 | (lookup adj1 table) same (suggested adj2 speed) same pressure | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/11/23 18:31 |
| S163 | 0 | ((suggested or recommended) adj2 speed) same lookup same pressure | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/11/23 18:31 |

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|------|----|---|---------------------------|----|-----|---------------------|
| S164 | 0 | ((suggested or recommended) adj2 speed) same cuve same pressure | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/11/23 18:32 |
| S165 | 2 | ((suggested or recommended) adj2 speed) same curve same pressure | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/11/23 18:32 |
| S166 | 2 | (lookup adj1 table) same speed same (vacuum adj2 pressure) | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/11/23 18:34 |
| S167 | 83 | (motor near2 speed) with (vacuum adj2 pressure) | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/11/23 18:35 |
| S168 | 1 | (motor near2 speed) with (vacuum adj2 pressure) with (graph or curve) | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/11/23 18:36 |
| S169 | 0 | (motor near2 speed) with (vacuum adj2 pressure) with (table) | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/11/23 18:36 |
| S170 | 16 | (motor near2 speed) same (vacuum adj2 pressure) same (table or graph or curve) | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/11/23 18:36 |
| S171 | 1 | (lookup adj1 table) same (pressure near2 versus near2 speed) | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/11/23 18:44 |
| S172 | 41 | ("3096614" "4157701" "4174617" "4392352" "4515136" "4572130" "4621600" "4691521" "4703625" "4714068" "4719887" "4953110" "5036663" "5050452" "5142868" "5174259" "5211010" "5377112" "5526266" "5605044" "5832895").FN. OR ("6256992").URFN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/11/23 19:35 |
| S173 | 3 | (operating adj2 speed) with motor with (inlet adj2 pressure) | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/11/23 20:05 |
| S174 | 0 | determining with speed with corresponding with pressure | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/11/24 14:41 |

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|------|-----|---|---------------------------|----|-----|---------------------|
| S175 | 0 | speed with corresponding with pressure | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/11/24 14:41 |
| S176 | 446 | (speed adj2 value\$1) with (pressure adj2 value\$1) | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/11/24 14:43 |
| S177 | 3 | (speed adj2 value\$1) with equivalent with (pressure adj2 value\$1) | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/11/24 14:44 |
| S178 | 8 | (determining adj2 speed) with (inlet adj2 pressure) | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/11/24 14:46 |

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